

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the
present
NEWS 4 AUG 05 New pricing for EUROPATFULL and PCTFULL effective
August 1, 2003
NEWS 5 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 10 SEP 22 DIPPR file reloaded
NEWS 11 SEP 25 INPADOC: Legal Status data to be reloaded
NEWS 12 SEP 29 DISSABS now available on STN
NEWS 13 OCT 10 PCTFULL: Two new display fields added
NEWS 14 OCT 21 BIOSIS file reloaded and enhanced
NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 16 NOV 24 MSDS-CCOHS file reloaded

NEWS EXPRESS NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:53:33 ON 25 NOV 2003

=> file medline biosis caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 12:53:40 ON 25 NOV 2003

FILE 'BIOSIS' ENTERED AT 12:53:40 ON 25 NOV 2003
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=> s array? (9a) unpredict?
L1 24 ARRAY? (9A) UNPREDICT?

=> dup rem 11
PROCESSING COMPLETED FOR L1
L2 14 DUP REM L1 (10 DUPLICATES REMOVED)

=> d 1-14 ti

L2 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
TI Method of processing measurement data having errors due to unpredictable non-uniformity in illumination of detectors

L2 ANSWER 2 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Investigating the physiological bases of predictable and unpredictable genotype by environment interactions using three-mode pattern analysis.

L2 ANSWER 3 OF 14 MEDLINE on STN
TI [Analysis of intracranial pressure signals using artificial neural networks].
Analiza sygnału ciśnienia wewnątrzczaszkowego za pomocą sztucznych sieci neuronowych.

L2 ANSWER 4 OF 14 MEDLINE on STN DUPLICATE 1
TI Intracranial pressure processing with artificial neural networks: prediction of ICP trends.

L2 ANSWER 5 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Foraging in a hierarchical patch system.

L2 ANSWER 6 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Performance of native grape phylloxera on host plants within and among terrestrial islands in Arizona, USA.

L2 ANSWER 7 OF 14 MEDLINE on STN DUPLICATE 2
TI Structural evidence of T cell xeno-reactivity in the absence of molecular mimicry.

L2 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
TI Probe microloading effect of in-situ etch in EPROM stack gate process

L2 ANSWER 9 OF 14 MEDLINE on STN DUPLICATE 3
TI Central nicotinic receptor agonists ABT-418, ABT-089, and (-)-nicotine reduce distractibility in adult monkeys.

L2 ANSWER 10 OF 14 MEDLINE on STN DUPLICATE 4
TI Reinforcer frequency and restricted stimulus control.

L2 ANSWER 11 OF 14 MEDLINE on STN DUPLICATE 5
TI Comparing mutants, selective breeding, and transgenics in the dissection of aging processes of *Caenorhabditis elegans*.

L2 ANSWER 12 OF 14 MEDLINE on STN DUPLICATE 6
TI Subjugation of dominant immunogenic determinants within a chimeric peptide.

L2 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
TI Implementation of a system to life test 2-dimensional laser arrays

L2 ANSWER 14 OF 14 MEDLINE on STN
TI Toward the library of the future.

=> s 12 and (DNA or nucleic)
L3 0 L2 AND (DNA OR NUCLEIC)

=> d his

(FILE 'HOME' ENTERED AT 12:53:33 ON 25 NOV 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:53:40 ON 25 NOV 2003

L1 24 S ARRAY? (9A) UNPREDICT?
L2 14 DUP REM L1 (10 DUPLICATES REMOVED)
L3 0 S L2 AND (DNA OR NUCLEIC)

=> s (array or chip or biochip) and (DNA or nucleic or oligonucleotide#)
L4 26503 (ARRAY OR CHIP OR BIOCHIP) AND (DNA OR NUCLEIC OR OLIGONUCLEOTID
E#)

=> s l4 and unpredict?
L5 24 L4 AND UNPREDICT?

=> dup rem l5
PROCESSING COMPLETED FOR L5
L6 14 DUP REM L5 (10 DUPLICATES REMOVED)

=> d 1-14 ti

L6 ANSWER 1 OF 14 MEDLINE on STN DUPLICATE 1
TI Ribosomal ITS sequences and plant phylogenetic inference.

L6 ANSWER 2 OF 14 MEDLINE on STN
TI Identification of genes involved in resistance to interferon-alpha in
cutaneous T-cell lymphoma.

L6 ANSWER 3 OF 14 MEDLINE on STN
TI Functional microarray analysis of mammary organogenesis reveals a
developmental role in adaptive thermogenesis.

L6 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
TI Preservation of gene expression ratios among multiple complex cDNAs after
PCR amplification: application to differential gene expression studies

L6 ANSWER 5 OF 14 MEDLINE on STN DUPLICATE 2
TI Stability of **DNA** repeats in Escherichia coli dam mutant strains
indicates a Dam methylation-dependent **DNA** deletion process.

L6 ANSWER 6 OF 14 MEDLINE on STN DUPLICATE 3
TI Preservation of gene expression ratios among multiple complex cDNAs after
PCR amplification: application to differential gene expression studies.

L6 ANSWER 7 OF 14 MEDLINE on STN DUPLICATE 4
TI Multiple cloning sites from mammalian expression vectors interfere with
gene promoter studies in vitro.

L6 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
TI Disease modifying treatments for multiple sclerosis: What is on the
horizon?

L6 ANSWER 9 OF 14 MEDLINE on STN
TI Conspiracy of silence among repeated transgenes.

L6 ANSWER 10 OF 14 MEDLINE on STN DUPLICATE 5
TI Tandem genes and clustered genes.

L6 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
TI Complications of RNA heterogeneity for the engineering of virus vaccines
and antiviral agents

L6 ANSWER 12 OF 14 MEDLINE on STN DUPLICATE 6
TI Long- and short-lived murine hematopoietic stem cell clones individually identified with retroviral integration markers.

L6 ANSWER 13 OF 14 MEDLINE on STN
TI Cytokines of the lung.

L6 ANSWER 14 OF 14 MEDLINE on STN DUPLICATE 7
TI Characterization of the reactions of platinum antitumor agents with biologic and nonbiologic sulfur-containing nucleophiles.

=> d 3 bib ab

L6 ANSWER 3 OF 14 MEDLINE on STN
AN 2002299255 MEDLINE
DN 22035874 PubMed ID: 12040007
TI Functional microarray analysis of mammary organogenesis reveals a developmental role in adaptive thermogenesis.
AU Master Stephen R; Hartman Jennifer L; D'Cruz Celina M; Moody Susan E; Keiper Elizabeth A; Ha Seung I; Cox James D; Belka George K; Chodosh Lewis A
CS Department of Cancer Biology and Abramson Family Cancer Research Institute, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania 19104-6160, USA.
NC CA-92910 (NCI)
PO1-CA-77596 (NCI)
SO MOLECULAR ENDOCRINOLOGY, (2002 Jun) 16 (6) 1185-203.
Journal code: 8801431. ISSN: 0888-8809.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200301
ED Entered STN: 20020602
Last Updated on STN: 20030111
Entered Medline: 20030110
AB The use of **DNA** microarrays to study vertebrate organogenesis presents unique analytical challenges compared with expression profiling of homogeneous cell populations. We have used a general approach that permits the automated, unbiased identification of biologically relevant patterns of gene expression to study murine mammary gland development. Our studies confirm the utility of this approach by demonstrating the ready identification of cellular processes and pathways of known functional importance in mammary development. Additionally, this approach permitted the identification of genetic pathways with **unpredicted** patterns of developmental regulation, including those involved in angiogenesis, extracellular matrix synthesis, and the beta-oxidation of fatty acids. Surprisingly, our findings demonstrate that the coordinate regulation of genes involved in the beta-oxidation of fatty acids reflects the presence of an abundant, yet previously unrecognized stromal compartment within the mammary gland that is composed of brown adipose tissue. Our data demonstrate that the amount of brown adipose tissue present in the mammary gland is developmentally regulated; that PPARalpha, Ucp1, and genes involved in fatty acid oxidation are spatially and temporally coregulated during development; that the mammary gland plays a functional role in adaptive thermogenesis; and that the transcriptional control of this adaptive response to cold is itself developmentally regulated.

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SINCE FILE TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	22.62	22.83

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 LAST RELOADED: Nov 24, 2003 (20031124/UP).

=> file medline biosis caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.06	22.89

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=> s microarray and unpredict?
 L7 15 MICROARRAY AND UNPREDICT?

=> dup rem l6
 PROCESSING COMPLETED FOR L6
 L8 14 DUP REM L6 (0 DUPLICATES REMOVED)

=> dup rem l7
 PROCESSING COMPLETED FOR L7
 L9 8 DUP REM L7 (7 DUPLICATES REMOVED)

=> d 1-8 ti

L9 ANSWER 1 OF 8 MEDLINE on STN DUPLICATE 1
 TI Cancer pharmacogenomics: current and future applications.

L9 ANSWER 2 OF 8 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 TI **Microarray** transcription profiling of acidic- and basic-pH
 stress tolerance in Shewanella oneidensis MR-1.

L9 ANSWER 3 OF 8 MEDLINE on STN DUPLICATE 2
 TI Identification of genes involved in resistance to interferon-alpha in
 cutaneous T-cell lymphoma.

L9 ANSWER 4 OF 8 MEDLINE on STN DUPLICATE 3
 TI Functional **microarray** analysis of mammary organogenesis reveals
 a developmental role in adaptive thermogenesis.

L9 ANSWER 5 OF 8 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 DUPLICATE 4
 TI Inadequate formalin fixation decreases reliability of p27Kipl
 immunohistochemical staining: Probing optimal fixation time using
 high-density tissue microarrays.

L9 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN
 TI Genetic progression of renal cell carcinoma

L9 ANSWER 7 OF 8 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI PAIN INDUCED GENE EXPRESSION DURING EARLY DEVELOPMENT OF THE RAT.

L9 ANSWER 8 OF 8 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
TI Identification of candidate genes to augment current classification schemes in pediatric acute leukemia.

=> d 1, 3 bib ab

L9 ANSWER 1 OF 8 MEDLINE on STN DUPLICATE 1
AN 2003105098 MEDLINE
DN 22505004 PubMed ID: 12618310
TI Cancer pharmacogenomics: current and future applications.
AU Watters James W; McLeod Howard L
CS Department of Medicine, Washington University School of Medicine, 660 S Euclid Ave-Campus Box 8069, St Louis, MO 63110, USA.
SO BIOCHIMICA ET BIOPHYSICA ACTA, (2003 Mar 17) 1603 (2) 99-111. Ref: 88
Journal code: 0217513. ISSN: 0006-3002.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 200306
ED Entered STN: 20030306
Last Updated on STN: 20030611
Entered Medline: 20030610
AB Heterogeneity in patient response to chemotherapy is consistently observed across patient populations. Pharmacogenomics is the study of inherited differences in interindividual drug disposition and effects, with the goal of selecting the optimal drug therapy and dosage for each patient. Pharmacogenomics is especially important for oncology, as severe systemic toxicity and **unpredictable** efficacy are hallmarks of cancer therapies. In addition, genetic polymorphisms in drug metabolizing enzymes and other molecules are responsible for much of the interindividual differences in the efficacy and toxicity of many chemotherapy agents. This review will discuss clinically relevant examples of gene polymorphisms that influence the outcome of cancer therapy, and whole-genome expression studies using **microarray** technology that have shown tremendous potential for benefiting cancer pharmacogenomics. The power and utility of the mouse as an experimental system for pharmacogenomic discovery will also be discussed in the context of cancer therapy.
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L9 ANSWER 3 OF 8 MEDLINE on STN DUPLICATE 2
AN 2002653685 MEDLINE
DN 22300982 PubMed ID: 12414529
TI Identification of genes involved in resistance to interferon-alpha in cutaneous T-cell lymphoma.
AU Tracey Lorraine; Villuendas Raquel; Ortiz Pablo; Dopazo Ana; Spiteri Inmaculada; Lombardia Luis; Rodriguez-Peralto Jose L; Fernandez-Herrera Jesus; Hernandez Almudena; Fraga Javier; Dominguez Orlando; Herrero Javier; Alonso Miguel A; Dopazo Joaquin; Piris Miguel A
CS Centro Nacional de Investigaciones Oncologicas, Madrid, Spain.
SO AMERICAN JOURNAL OF PATHOLOGY, (2002 Nov) 161 (5) 1825-37.
Journal code: 0370502. ISSN: 0002-9440.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals

EM 200211
ED Entered STN: 20021105
Last Updated on STN: 20021211
Entered Medline: 20021122
AB Interferon-alpha therapy has been shown to be active in the treatment of mycosis fungoides although the individual response to this therapy is **unpredictable** and dependent on essentially unknown factors. In an effort to better understand the molecular mechanisms of interferon-alpha resistance we have developed an interferon-alpha resistant variant from a sensitive cutaneous T-cell lymphoma cell line. We have performed expression analysis to detect genes differentially expressed between both variants using a cDNA **microarray** including 6386 cancer-implicated genes. The experiments showed that resistance to interferon-alpha is consistently associated with changes in the expression of a set of 39 genes, involved in signal transduction, apoptosis, transcription regulation, and cell growth. Additional studies performed confirm that STAT1 and STAT3 expression and interferon-alpha induction and activation are not altered between both variants. The gene MAL, highly overexpressed by resistant cells, was also found to be expressed by tumoral cells in a series of cutaneous T-cell lymphoma patients treated with interferon-alpha and/or photochemotherapy. MAL expression was associated with longer time to complete remission. Time-course experiments of the sensitive and resistant cells showed a differential expression of a subset of genes involved in interferon-response (1 to 4 hours), cell growth and apoptosis (24 to 48 hours.), and signal transduction.

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
5.81	28.70

FULL ESTIMATED COST

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LAST RELOADED: Nov 24, 2003 (20031124/UP).

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FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:53:40 ON 25 NOV 2003

L1	24 S ARRAY? (9A) UNPREDICT?
L2	14 DUP REM L1 (10 DUPLICATES REMOVED)
L3	0 S L2 AND (DNA OR NUCLEIC)
L4	26503 S (ARRAY OR CHIP OR BIOCHIP) AND (DNA OR NUCLEIC OR OLIGONUCLEO
L5	24 S L4 AND UNPREDICT?
L6	14 DUP REM L5 (10 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 12:55:24 ON 25 NOV 2003.

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:56:10 ON 25 NOV 2003

L7	15 S MICROARRAY AND UNPREDICT?
L8	14 DUP REM L6 (0 DUPLICATES REMOVED)
L9	8 DUP REM L7 (7 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 12:57:06 ON 25 NOV 2003